

What is claimed is:

1           1. A cooling system comprising:

2           a) a movable frame having an evaporative pad secured thereto, said movable frame

3           having an upper position and a lower position;

4           b) a nozzle positioned to deposit water onto said evaporative pad;

5           c) a misting valve controlling the application of water through said nozzle, said misting  
6           valve being controlled by said movable frame such that:

7           1) when said movable frame is in the upper position, water passes through said  
8           misting valve to said nozzle, and,

9           2) when said moveable frame is in the lower position, water is not permitted to  
10          pass through said misting valve to said nozzle.

1           2. The cooling system according to claim 1, wherein said movable frame moves to the  
2           lower position when said evaporative pad is substantially saturated with water.

1           3. The cooling system according to claim 2,

2           a) further including an air channel configured to communicate air into a dwelling; and,

3           b) wherein said movable frame is contained within said air channel such that air passes  
4           through said evaporative pad before entering said dwelling.

1           4. The cooling system according to claim 3, further including adjustment means for  
2 operator definition of a weight required to move said movable frame from said upper position to  
3 said lower position.

1           5. The cooling system according to claim 3, further including a drip pan positioned to  
2 collect liquid water from said evaporative pad.

1           6. The cooling system according claim 2, further including means for suspending said  
2 moveable frame within an attic of a dwelling.

1           7. The cooling system according to claim 6, wherein said nozzle is secured to said means  
2 for suspending.

1           8. A cooling system comprising:  
2 a) a movable evaporative pad having an upper position and a lower position; and,  
3 b) a nozzle positioned to deposit water onto said evaporative pad only when said  
4 evaporative pad is in the upper position.

1           9. The cooling system according to claim 8, further including a misting valve controlling  
2 the application of water through said nozzle such that:

3           a) when said evaporative pad is in the upper position, water passes through said misting  
4 valve to said nozzle; and,

5           b) when said evaporative pad is in the lower position, water is not permitted to pass  
6 through said misting valve to said nozzle.

1           10. The cooling system according to claim 9, further including adjustment means for  
2 defining a weight required to move said movable frame from said upper position to said lower  
3 position.

1           11. The cooling system according to claim 10, further including a drip pan positioned to  
2 collect liquid water from said evaporative pad.

1           12. The cooling system according claim 12, further including means for suspending said  
2 evaporative pad within an attic of a dwelling.

1           13. The cooling system according to claim 12, wherein said nozzle is secured to said  
2 means for suspending.

1           14. A cooling system comprising:

2           a) a duct communicating ambient air to an interior of a dwelling;

3           b) a movable frame positioned within said duct, said moveable frame having an  
4           evaporative pad secured thereto, said movable frame having an upper position and a lower  
5           position within said duct;

6           c) a nozzle positioned to deposit water onto said evaporative pad such that weight of said  
7           water causes said frame to move to the lower position;

8           d) a misting valve controlling the application of water through said nozzle, said misting  
9           valve being controlled by said movable frame such that:

10           1) when said movable frame is in the upper position, water passes through said  
11           misting valve to said nozzle, and,

12           2) when said moveable frame is in the lower position, water is not permitted to  
13           pass through said misting valve to said nozzle.

1           15. The cooling system according to claim 14, further including adjustment means for  
2           operator definition of a weight required to move said movable frame from said upper position to  
3           said lower position.

1           16. The cooling system according to claim 15, further including a drip pan positioned to  
2           collect liquid water from said evaporative pad.